



STQ / GAU 1644  
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PATENT  
Our Docket: P-IX 3536

NOV 09 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re application of:  
Huse and Wu

Serial No.: 09/339,922

Filed: June 24, 1999

For: ANTI- $\alpha_v\beta_3$  RECOMBINANT  
HUMAN ANTIBODIES,  
NUCLEIC ACIDS ENCODING  
SAME AND METHODS OF USE

) Group Art Unit: 1644

) Examiner: P. Gambel

) I hereby certify that this correspondence is being deposited with  
the United States Postal Service as first class mail in an envelope  
addressed to: Box Sequence, Commissioner for Patents,  
Washington, D.C. 20231, on October 31, 2000.

By Deborah L. Cadena  
Deborah L. Cadena, Reg. No. 44,048

October 31, 2000  
Date of Signature

NOV 13 2000

TECH CENTER 1600/2900

**BOX SEQUENCE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

**TRANSMITTAL**

Applicants respectfully request the Examiner's  
consideration of the following:

- X 1) a Communication regarding sequences;
- X 2) a computer readable form of the sequence listing;
- X 3) a paper copy of the sequence listing, pages 1  
through 35;
- X 4) a statement under 37 CFR §1.825(a) and (b); and
- X 5) a return receipt post card.

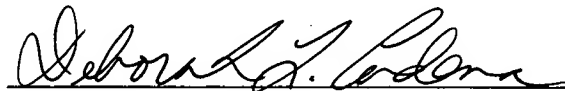
c

Inventors: Huse and Wu  
Serial No.: 09/339,922  
Filed: June 24, 1999  
Page 2

No fee is deemed necessary in connection with the filing of this document. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-0370.

Respectfully submitted,

Date: October 31, 2000



Deborah L. Cadena  
Registration No. 44,048  
Telephone: (858) 535-9001  
Facsimile: (858) 535-8949

CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive  
7<sup>th</sup> Floor  
San Diego, California 92122  
**USPTO CUSTOMER NO. 23601**

C



*has dlc PIX 3536*  
**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
*Nov 09 2000*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCK
-----------------	-------------	----------------------	---------------

0138601  
CAMPBELL & FLORES LLP  
4370 LA JOLLA VILLAGE DRIVE  
7TH FLOOR  
SAN DIEGO CA 92161

PM11/1003

CAMPBELL EXAMINER

ART UNIT

PAPER NUMBER

**DOCKETED**

*Sequences Due  
11-3-00*

DATE MAILED:

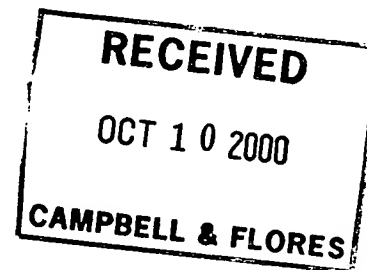
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



**COPY**

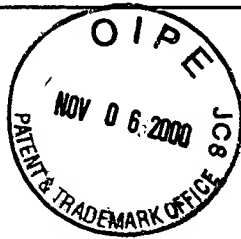


UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

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NOV 09 2000  
TECH CENTER 1600/2900

091339922

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY	SECRET NO.



APPLICANT'S  
COPY

EXAMINER	
Mary Tung	
ART UNIT	PAPER NUMBER
1644	

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DATE MAILED:

NOV 13 2000

Please find below a communication from the EXAMINER in charge of this application  
Commissioner of Patents and Trademarks  
TECH CENTER 1600/2900

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CAR 1.821(a)(1) and (a)(2). However, the CRF submission filed 10/12/99 fails to comply with the requirements of 37 CAR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. Applicant must comply with the requirements of the sequence rules (37 CAR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

The disk submitted contains errors, as set forth in the attached "Raw Sequence Listing Error Report." Applicants are required to submit a computer readable disk and a substitute paper copy of the sequences according to the attached "Notice to Comply with the Sequence Rules." Applicant is reminded of the sequence rules which require a submission for all sequences of more than 9 nucleotides or 3 amino acids (see 37 CAR 1.821-1.825) and is also requested to carefully review the submitted specification for any and all sequences which require compliance with the rules.

Any inquiry concerning this communication should be directed to Examiner Phillip Gambel, Art Unit 1644, whose telephone number is (703) 308-3997.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CAR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CAR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CAR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the reply.

PHILLIP GAMBEL  
Phillip Gambel, Ph.D.  
Primary Examiner  
Art Unit 1644  
Technology Center 1600  
October 2, 2000

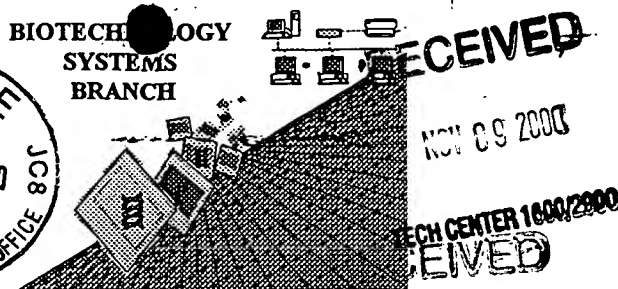
2

*Handled*

**RAW SEQUENCE LISTING**  
**ERROR REPORT**



BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/339,922

Source: 1644

Date Processed by STIC: 9/26/2000

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

**Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**  
**<http://www.uspto.gov/web/offices/pac/checker>**

*d*



P. Gambel

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NOV 09 2000

1644

TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/339,922

DATE: 09/26/2000  
 TIME: 08:04:08

Input Set : A:\Ix35361.app  
 Output Set: N:\CRF3\09262000\I339922.raw

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Huse, William D.  
 4 Wu, Herren  
 6 <120> TITLE OF INVENTION: Anti-AlphaV Beta3 Recombinant Human Antibodies, Nucleic  
 7 Acids Encoding Same and Methods of Use  
 9 <130> FILE REFERENCE: P-IX 3536  
 11 <140> CURRENT APPLICATION NUMBER: US 09/339,922  
 12 <141> CURRENT FILING DATE: 1999-06-24  
 14 <160> NUMBER OF SEQ ID NOS: 112  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 351  
 20 <212> TYPE: DNA  
 21 <213> ORGANISM: Artificial Sequence  
 23 <220> FEATURE:  
 24 <221> NAME/KEY: CDS  
 25 <222> LOCATION: (1)..(351)  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Description of Artificial Sequence: grafted  
 29 antibody variable region  
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 33 Gln Val Gln Leu Val Glu Ser Gly Gly Val Val Gln Pro Gly Arg  
 34 1 5 10 15  
 36 tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttc agt agc tat 96  
 37 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 38 20 25 30  
 40 gac atg tct tgg gtt cgc cag gct ccg ggc aag ggt ctg gag tgg gtc 144  
 41 Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 42 35 40 45  
 44 gca aaa gtt agt agt ggt ggt ggt agc acc tac tat tta gac act gtg 192  
 45 Ala Lys Val Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Leu Asp Thr Val  
 46 50 55 60  
 48 cag ggc cga ttc acc atc tcc aga gac aat agt aag aac acc cta tac 240  
 49 Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 50 65 70 75 80  
 52 ctg caa atg aac tct ctg aga gcc gag gac aca gcc gtg tat tac tgt 288  
 53 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 54 85 90 95  
 56 gca aga cat aac tac ggc agt ttt gct tac tgg ggc caa ggg act aca 336  
 57 Ala Arg His Asn Tyr Gly Ser Phe Ala Tyr Trp Gly Gln Gly Thr Thr  
 58 100 105 110  
 60 gtg act gtt tct agt 351  
 61 Val Thr Val Ser Ser  
 62 115  
 65 <210> SEQ ID NO: 2  
 66 <211> LENGTH: 117  
 67 <212> TYPE: PRT

see  
 Apr 2, 3, 5  
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NOV 13 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/339,922

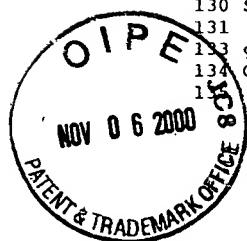
DATE: 09/26/2000  
TIME: 08:04:08

Input Set : A:\Ix35361.app  
Output Set: N:\CRF3\09262000\I339922.raw

68 <213> ORGANISM: Artificial Sequence  
69 <220> FEATURE:  
69 <223> OTHER INFORMATION: Description of Artificial Sequence: grafted  
72 <400> SEQUENCE: 2  
73 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg  
74 1 5 10 15  
76 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Tyr  
77 20 25 30  
79 Asp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
80 35 40 45  
82 Ala Lys Val Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Leu Asp Thr Val  
83 50 55 60  
85 Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
86 65 70 75 80  
88 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
89 85 90 95  
91 Ala Arg His Asn Tyr Gly Ser Phe Ala Tyr Trp Gly Gln Gly Thr Thr  
92 100 105 110  
94 Val Thr Val Ser Ser  
95 115  
99 <210> SEQ ID NO: 3  
100 <211> LENGTH: 321  
101 <212> TYPE: DNA  
102 <213> ORGANISM: Artificial Sequence  
104 <220> FEATURE:  
105 <221> NAME/KEY: CDS  
106 <222> LOCATION: (1)..(321)  
108 <220> FEATURE:  
109 <223> OTHER INFORMATION: Description of Artificial Sequence: grafted  
110 antibody variable region  
112 <400> SEQUENCE: 3  
113 gag att gtg cta act cag tct cca gcc acc ctg tct ctc agc cca gga 48  
114 Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly  
115 1 5 10 15  
117 gaa agg gcg act ctt tcc tgc cag gcc agc caa agt att agc aac cac 96  
118 Glu Arg Ala Thr Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His  
119 20 25 30  
121 cta cac tgg tat caa caa agg cct ggt caa gcc cca agg ctt ctc atc 144  
122 Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile  
123 35 40 45  
125 aag tat cgt tcc cag tcc atc tct ggg atc ccc gcc agg ttc agt ggc 192  
126 Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly  
127 50 55 60  
129 agt gga tca ggg aca gat ttc acc ctc act atc tcc agt ctg gag cct 240  
130 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro  
131 65 70 75 80  
133 gaa gat ttt gca gtc tat tac tgt caa cag agt ggc agc tgg cct cac 288  
134 Glu Asp Phe Ala Val Tyr Tyr Cys Gln Ser Gly Ser Trp Pro His  
135 85 90 95

please insert <223>  
at the beginning of  
each line  
in  
that  
section;  
otherwise,  
the lines  
are not  
shown in  
processed  
Sequence  
Listing.

per 1.823 of new sequence rules,  
<220> is mandatory  
whenever <221>,  
<222>, or <223>  
is present.



The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/339,922

DATE: 09/26/2000  
TIME: 08:04:08

Input Set : A:\Ix35361.app  
Output Set : N:\CRF3\09262000\I339922.raw

321

137 acg ttc gga ggg ggg acc aag gtg gaa att aag  
138 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
139 100  
140 105

142 <210> SEQ ID NO: 4

143 <211> LENGTH: 107

144 <212> TYPE: PRT

145 <213> ORGANISM: Artificial Sequence

146 <220> FEATURE:  
146 <223> OTHER INFORMATION: Description of Artificial Sequence: grafted

149 <400> SEQUENCE: 4

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151 1 5 10 15

153 Glu Arg Ala Thr Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His  
154 20 25 30

156 Leu His Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Arg Leu Leu Ile  
157 35 40 45

159 Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ala Arg Phe Ser Gly  
160 50 55 60

162 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro  
163 65 70 75 80

165 Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Ser Gly Ser Trp Pro His  
166 85 90 95

168 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
169 100 105

173 <210> SEQ ID NO: 5

174 <211> LENGTH: 351

175 <212> TYPE: DNA

176 <213> ORGANISM: Mus musculus

178 <220> FEATURE:

179 <221> NAME/KEY: CDS

180 <222> LOCATION: (1)..(351)

182 <400> SEQUENCE: 5

183 gaa gtg cag ctg gtg gag tct ggg gga ggc tta gtg aag cct gga agg  
184 Glu Val Gln Leu Val Glu Ser Gly Gly Leu Val Lys Pro Gly Arg  
185 1 5 10 15

187 tcc ctg aga ctc tcc tgt gca gcc tct gga ttc gct ttc agt agc tat  
188 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Tyr  
189 20 25 30

191 gac atg tct tgg gtt cgc cag att ccg gag aag agg ctg gag tgg gtc  
192 Asp Met Ser Trp Val Arg Gln Ile Pro Glu Lys Arg Leu Glu Trp Val  
193 35 40 45

195 gca aaa gtt agt agt ggt ggt agc acc tac tat tta gac act gtg  
196 Ala Lys Val Ser Ser Gly Gly Ser Thr Tyr Leu Asp Thr Val  
197 50 55 60

199 cag ggc cga ttc acc atc tcc aga gac aat gcc aag aac acc cta tac  
200 Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
201 65 70 75 80

203 ctg caa atg agc agt ctg aac tct gag gac aca gcc atg tat tac tgt  
204 Leu Gln Met Ser Ser Leu Asn Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
205 75 80 85 90 95

insert  
2237  
at  
beginning  
of each  
line





RAW SEQUENCE LISTING  
PATENT APPLICATION:

US/09/339,922

DATE: 09/26/2000  
TIME: 08:04:08

Input Set : A:\I35361.app  
Output Set: N:\CRF3\09262000\I339922.raw

205 85 90 95 336  
207 gca aga cat aac tac ggc agt ttt gct tac tgg ggc caa ggg act ctg  
208 Ala Arg His Asn Tyr Gly Ser Phe Ala Tyr Trp Gly Gln Gly Thr Leu  
209 100 105 110 351  
211 gtc act gtc tct gca  
212 Val Thr Val Ser Ala  
213 115  
216 <210> SEQ ID NO: 6  
217 <211> LENGTH: 117  
218 <212> TYPE: PRT  
219 <213> ORGANISM: Mus musculus  
221 <400> SEQUENCE: 6  
222 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Arg  
223 1 5 10 15  
225 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Tyr  
226 20 25 30  
228 Asp Met Ser Trp Val Arg Gln Ile Pro Glu Lys Arg Leu Glu Trp Val  
229 35 40 45  
231 Ala Lys Val Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Leu Asp Thr Val  
232 50 55 60  
234 Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr  
235 65 70 75 80  
237 Leu Gln Met Ser Ser Leu Asn Ser Glu Asp Thr Ala Met Tyr Tyr Cys  
238 85 90 95  
240 Ala Arg His Asn Tyr Gly Ser Phe Ala Tyr Trp Gly Gln Gly Thr Leu  
241 100 105 110  
243 Val Thr Val Ser Ala  
244 115  
248 <210> SEQ ID NO: 7  
249 <211> LENGTH: 321  
250 <212> TYPE: DNA  
251 <213> ORGANISM: Mus musculus  
253 <220> FEATURE:  
254 <221> NAME/KEY: CDS  
255 <222> LOCATION: (1)..(321)  
257 <400> SEQUENCE: 7  
258 gat att gtg cta act cag tct cca gcc acc ctg tct gtg aca cca gga  
259 Asp Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly  
260 1 5 10 15  
262 gat agc gtc agt ctt tcc tgc cag gcc agc caa agt att agc aac cac  
263 Asp Ser Val Ser Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His  
264 20 25 30  
266 cta cac tgg tat caa caa aaa tca cat gag tct cca agg ctt ctc atc  
267 Leu His Trp Tyr Gln Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile  
268 35 40 45  
270 aag tat cgt tcc cag tcc atc tct ggg atc ccc tcc agg ttc agt ggc  
271 Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly  
272 50 55 60  
274 agt gga tca ggg aca gat ttc gct ctc agt atc aac agt gtg gag act 240



2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/339,922

DATE: 09/26/2000

TIME: 08:04:08

Input Set : A:\Ix35361.app

Output Set: N:\CRF3\09262000\I339922.raw

275 Ser Gly Ser Gly Thr Asp Phe Ala Leu Ser Ile Asn Ser Val Glu Thr  
 276 65 70 75 80  
 278 gaa gat ttt gga atg tat ttc tgt caa cag agt ggc agc tgg cct cac 288  
 279 Glu Asp Phe Gly Met Tyr Phe Cys Gln Gln Ser Gly Ser Trp Pro His  
 280 85 90 95  
 282 acg ttc gga ggg ggg acc aag ctg gaa att aag 321  
 283 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
 284 100 105  
 287 <210> SEQ ID NO: 8  
 288 <211> LENGTH: 107  
 289 <212> TYPE: PRT  
 290 <213> ORGANISM: Mus musculus  
 292 <400> SEQUENCE: 8  
 293 Asp Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly  
 294 1 5 10 15  
 296 Asp Ser Val Ser Leu Ser Cys Gln Ala Ser Gln Ser Ile Ser Asn His  
 297 20 25 30  
 299 Leu His Trp Tyr Gln Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile  
 300 35 40 45  
 302 Lys Tyr Arg Ser Gln Ser Ile Ser Gly Ile Pro Ser Arg Phe Ser Gly  
 303 50 55 60  
 305 Ser Gly Ser Gly Thr Asp Phe Ala Leu Ser Ile Asn Ser Val Glu Thr  
 306 65 70 75 80  
 308 Glu Asp Phe Gly Met Tyr Phe Cys Gln Gln Ser Gly Ser Trp Pro His  
 309 85 90 95  
 311 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
 312 100 105  
 316 <210> SEQ ID NO: 9  
 317 <211> LENGTH: 84  
 318 <212> TYPE: DNA  
 319 <213> ORGANISM: Artificial Sequence  
 321 <220> FEATURE:  
 322 <223> OTHER INFORMATION: Description of Artificial Sequence:  
 323 oligonucleotide  
 325 <400> SEQUENCE: 9  
 326 caggtgcagc tgggtggagtc tgggggaggc gttgtgcagc ctggaaggtc cctgagactc 60  
 327 tcctgtgcag cctctggatt cacc 84  
 330 <210> SEQ ID NO: 10  
 331 <211> LENGTH: 84  
 332 <212> TYPE: DNA  
 333 <213> ORGANISM: Artificial Sequence  
 335 <220> FEATURE:  
 336 <223> OTHER INFORMATION: Description of Artificial Sequence:  
 337 oligonucleotide  
 339 <400> SEQUENCE: 10  
 340 aacttttgcg acccactcca gacccttgcc cggagcctgg cgaaccaag acatgtcata 60  
 341 gctactgaag gtgaatccag aggc 84  
 344 <210> SEQ ID NO: 11  
 345 <211> LENGTH: 87

FYI:

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/339,922

DATE: 09/26/2000

TIME: 08:04:09

Input Set : A:\Ix35361.app

Output Set: N:\CRF3\09262000\I339922.raw

L:69 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:146 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:886 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:918 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:950 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:982 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1014 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1046 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1078 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1110 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1142 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:1174 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:1753 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:1922 M:258 W: Mandatory Feature missing, <220> FEATURE:

